

CG APPLICATIONS

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Application Note :	October 2011
Market involved :	Conventional energy
Product :	EM33-DIN
Customer :	System Integrators, Panel builders
Subject :	Sub-metering in flats

CUSTOMER ISSUE :

In all sub-metering applications such as residential apartments, office buildings and shopping malls, where the global cost of the utilities of the whole building has to be split among the different users in proportion to their consumption, it is necessary to have revenue approved meters (according to MID, in Europe) in each single switch gear.

OUR SOLUTION:

The EM33-DIN is a very compact and easy-to-use 3-phase energy meter able to directly measure currents up to 32A.

It is also revenue approved (MID certified, Annex "B" + "D").

The energy information can be read by serial communication (Modbus RTU) together with the most important variables, which allow a basic electrical installation analysis to be performed, when needed.

ACHIEVED BENEFITS:

The EM33-DIN is a cost effective solution not only because the external CTs are not needed (direct connection up to 32A), but also because the installation is quick and requires no programming.

The easy-connection management means that the direction of the current during installation is not important.

In fact the energy meter always reads the power as consumed, even in the case of a wrong connection.